|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Semester** | **DSC/GE/DSE/SEC** | **Paper** | **Title of the Paper** | **Credits** | **Hours PW** |
| **I** | **I** | **DSC\*101** | Paper -I | Micro Economics | **5** | **5** |
|  | **AEC** | AEC | Environmental Science/Basic Computer kills | **2** | **2** |
| **II** | **DSC\*201** | Paper -II | Macro Economics | **5** | **5** |
| **II** |  | **AEC** | AECC | Environmental Science/ Basic Computer kills | **2** | **2** |
| **III** | **DSE-301** | Paper -III | Statistics for Economics | **5** | **5** |
| **SEC-1** | SEC-I | Computer Applications | **2** | **2** |
|  | **SEC-2** | SEC-II | Rural Development | **2** | **2** |
| **IV** | **DSC\*401** | Paper -IV | Indian Economy | **5** | **5** |
| **SEC-3** | SEC-III | Data Analysis | **2** | **2** |
|  | **SEC-4** | SEC-IV | Entrepreneurship and Development | **2** | **2** |
| **III** | **V** | **GE\*\*** | Paper -I | Telangana Economy | **4** | **4** |
| **DSE\*501** | Elective-A | Agricultural Economics | **5** | **5** |
| **DSE\*501** | Elective-B | Public Economics | **5** | **5** |
| **DSE\*501** | Elective-C | Economics of Environment | **5** | **5** |
| **VI** |  |  |  |  |  |
| **DSE\*601** | Paper-A | International Economics | **5** | **5** |
| **DSE\*601** | Paper B | Development Economics | **5** | **5** |
| **DSE\*601** | Paper-C | Industrial Economics | **5** | **5** |
| **Project/****Optional** | Project/Optional | Financial Economics | **4** | **4** |

\* DSC (Discipline Specific Course), SEC (Skill Enhancement Course) & DSE (Discipline Specific Elective) for Students of Economics. (PW) Per week. \*\*GE (Generic Elective) or Inter-Disciplinary Course for Students of Social Sciences other than Economics. (**Prof. B. Sudhakar Reddy**)

 Chairman Board of Studies

B.A.,(Economics) Syllabus

**Choice Based Credit System- w.e.f.2021-2022 Osmania University, HyderabadTelangana State**

 **B.A. (ECONOMICS) SYLLABUS Semester\_I**

# MICRO ECONOMICS -I

## Discipline Specific Course -Paper -I

**MICRO ECONOMICS Module-I: CONSUMERBEHAVIOUR**:

Ordinal utility Analysis: Properties of Indifference curves, concept of budget line, equilibrium of consumer, price consumption curve, income consumption curve, derivation of demand curve with the help of ordinal utility analysis. Concepts of price, income and substitution effects; Decomposition of price effect: compensating variation and cost difference methods.

**Module-II: PRODUCTION ANALYSIS**

Concepts of Short run and long run production function; properties of iso-product curves, concept of factor price line, analysis of least cost input combination, concepts of expansion path and economic region of production, concept of returns to scale and types of returns to scale. Properties of Cobb-Douglas production function.

**Module-III: COST AND REVENUE ANALYSIS**

Cost concepts: Accounting, real, opportunity, explicit cost. Total cost, total fixed cost, total variable cost, average cost, average fixed cost, average variable cost, marginal cost and the relationship between average and marginal cost, derivation of long run average cost curve. Economies of scale: internal and external.

Revenue concepts: total, average and marginal, relationship between a Average revenue & marginal revenue and price elasticity of demand.

**Module**-**-IV: MARKET STRUCTURE: IMPERFECT COMPETITION**

Monopoly: Equilibrium of a monopolist with price discrimination, degrees of price discrimination, welfare loss under monopoly. Monopolistic competition: characteristics, concepts of product differentiation and selling cost, analysis of resource wastage under monopolistic competition. Oligopoly: characteristics of oligopoly, reasons for price rigidity in non-collusive oligopoly. Duopoly: Augustin Cournot’s modern version of duopoly.

**Module-V: ANALYSIS OF BUSINESS FIRM, PROFIT AND PRICING STRATEGIES**

Characteristics of a business firm, objectives of business firm: profit maximization, sales revenue maximization, market share maximization, growth maximization. Profit concepts: Accounting and economic; break-even point and profit –volume analysis

Pricing strategies: Cost plus pricing, marginal cost pricing, rate of return pricing, price skimming, penetration pricing, loss-leader pricing, mark-up pricing and administered prices.

**References:**

1. M. L. Seth (1985), Micro Economics, 4th ed., Lakshmi Narain Agarwal
2. M. L. Jhingan (2016), Micro Economics, 8th ed., Vrinda Publications
3. H. L. Ahuja (2017), Modern Micro Economics, 19th ed., S. Chand (G/L) & Co.
4. Koutsoyiannis. A (2003), Modern Micro Economics, 2nd ed., Palgrave Macmillan U.K.
5. Stonier and Hague, Micro Economics, Pearson Education Limited
6. Dominck Salvatore (2009), Principles of Micro Economics, 5th ed., Oxford University Press
7. Schaum Series (2011), Micro Economics, 4th ed., Mc Graw Hill Education
8. Robert Pindyck (2017), Microeconomics, 8th ed., Pearson Education
9. Gregory Mankiw (2015), Principles of Micro Economics, Cengage Learning India Pvt.

**B.A. (ECONOMICS) SYLLABUS Semester II**

# MACRO ECONOMICS

## Discipline Specific Elective-Paper -II

**Module–I: Introduction**

Macro Economics – Concept of Circular Flow of Incomes – Two, Three and Four Sector Models National Income Analysis: Concepts and Components – Methods of Measurement –Difficulties and Limitations in the Estimation of National Income.

## Module–II: Theories of Income and Employment

Keynesian Theory of Income and Employment: Effective Demand – Consumption Function: Average Propensity to Consume (APC) and Marginal Propensity to Consume (MPC) – Factors Determining Consumption Function. Savings Function: Average Propensity to Save and Marginal Propensity to Save .Concepts of Multiplier and Accelerator.

## Module–III: Investment & Theories of Interest Rate

Capital and Investment: Types of Investment, Determinants of Level of Investment – Marginal Efficiency of Capital and Marginal Efficiency of Investment, Neo-Classical and Keynesian Theories of Interest .

## Module– IV: Supply of Money & Demand for Money

Functions and Classification of Money – Money Supply – Measures of Money Supply with reference to India: M1, M2, M3 and M4 – Classical Theories of Money: Fisher’s and Cambridge Versions of Quantity Theory of Money–Keynes’s Theory of Money and Prices. Concept of Demonetization.

## Module–V: Inflation & Trade Cycles

Inflation: Concept, Types, Causes and Measurement – Effects of Inflation – Measures to Control Inflation. Concept of Phillips Curve, Deflation and Stagflation – Trade Cycles: Concept, Causes and Phases of Trade cycle.

## Reference Books:

Ackley. G (1976): Macro Economics: Theory and Policy, Macmillan, New York

Shapiro. E (1996): Macro Economic Analysis, Galgotia Publications, New Delhi Hansen A H (1953): A Guide to Keynes, McGraw Hill, New York

Keynes J M (1936): The General Theory of Employment, Interest and Money

M.C. Vaish (2010): Macro Economic Theory ,14th edition ,Vikas Publishing House Pvt. Ltd.

H.L. Ahuja (2019): Macro Economic Theory & Policy, 20th edition, S. Chand Publications

Vanitha Agarwal (2018): Macro Economic Theory &Policy, Pearson Education

Gupta, S B (2010):Monetary Economics Institutions Theory and Policy

M.L.Seth (2006): Macro Economics,Lakshmi Narain Agarwal,Agra.

**B.A. (ECONOMICS) SYLLABUS Semester-III**

# DSE-SEMESTER–III: STATISTICS FOR ECONOMICS

## Module–I: Introduction to Statistics

Meaning and Basic Concepts of Statistics–Population and Sample, Frequency Distribution, Cumulative Frequency – Graphic and Diagrammatic Representation of Data –Types of Data: Primary and Secondary Data – Methods of Collecting Data: Census and Sampling Methods (Random, Non-random Sampling Methods)

## Module–II: Measures of Central Tendency and Dispersion

Measures of Central Tendency: Mean, Median, Mode, Properties of Good Average – Comparison of Different Averages –Measures of Dispersion –Absolute and Relative Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation and Variance.

## Module–III: Correlation and Regression

Correlation: Meaning and Types – Karl Pearson's Correlation Co-efficient – Spearmen’s Rank Correlation. Regression: Meaning and Uses of Regression.

## Module–IV: Index Numbers

Meaning and Uses – Types of Index Numbers. Steps and Difficulties in the Construction of Index Numbers - Methods of Index Numbers: Laspeyres, Paasche’s and Fisher.

## Module–V:Analysis of Time Series

Meaning and Uses – Components of Time Series Analysis: Secular, Seasonal, Cyclical and Irregular Random Variations. Methods of Measurement of Secular Trends: Graphic, Semi-Averages, and Moving Averages.

Reference Books:

Allen,RGD (2006): Mathematical Analysis for Economists, Macmillan Press, London

Bhardwaj RS(2006): Mathematics for Economics and Business, Excel Books, New Delhi

 Bose. D(2018): An Introduction to Mathematical Economics, Himalaya Publishing, New Delhi.

 Chiang, AC (2017): Fundamental Methods of Mathematical Economics McGraw Hill, New Delhi.

S. P. Gupta(2014): Statistical Methods,46th edition,S Chand & Sons

G. S Monga(2001): Mathematics for Economics, Second Revised Edition, Vikas Publishing House Pvt.Ltd.

 **B.A. (ECONOMICS) SYLLABUS**

 **Semester-III**

# BASICS OF COMPUTER APPLICATIONS IN ECONOMICS

##  Skill Enhancement Course-I - Paper–I

**Module-I: Introduction of Computers**

Definition - Evolution of Computer – Computer Generations – Micro Computers –Structure of Computer - Uses of Computer - Basic Components of Computer - Central processing Unit (CPU) Operating System – Window Operating System – Salient Features – Merits of Windows Operating System – Accessories – System tools – Scan Disk – Word Pad -Note Pad – Paint - Imagination-Windows Explorer - Ms-Word: Creating, Opening and saving files – editing and formatting text –spell and grammar check -auto correct - creation of tables and volumes.

**Module–II: Data Analysis using SPSS:** Basics of Data Analysis – Data Entry in SPSS–Computing

with SPSS – Preparation of Graphs with SPSS – Distribution Functions and Density Functions – Statistical Package handling and command description for SPSS – Reports, Descriptive – Statistics, Compare Means, Time Series Analysis, Correlation and Regression Models.

**References**

1. Sinha, P. K. (2004): Computer Fundamentals, 6th edition, BPB Publications, NewDelhi.
2. Raja Raman. V (2014): Fundamentals of Computers, 6th edition, PHI, New Delhi.
3. Kerns, Richard. L (1992): Essentials of Micro soft Windows, Word and Excel, PHI.
4. Alexis Leon & Mathews Leon(2001): Introduction to Computers with Ms-Office, TMH.
5. Asthana & Braj Bhushan (2016): 2nd edition, Statistics for Social Sciences (with SPSS applications), PHI.

 **B.A. (ECONOMICS) SYLLABUS Semester-III**

#  RURAL DEVELOPMENT

##  Skill Enhancement Course-I - Paper–II

**Module-I: Aspects of Rural Development**

Concept of Rural Development, Rural Development vs. Agricultural Development, Role of NGOs in Rural Development, Rural Non farm sector and Rural Development, Decentralized planning and Participatory development, role Panchayats in decentralized in rural development.

## Module-II: Rural Credit and Self Help Groups

Role of National Bank for Agriculture and Rural Development (NABARD) for rural development, Constraints of micro-enterprises in rural areas, credit need for rural non farm sector, the concept of micro credit, Micro credit role of Grameen Bank, SHG’s in India Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) and Rural Development.

References

* 1. Katar Singh, Rural Development: Principles, Policies and Management, Sage Publications, New Delhi
	2. K. G. Karmakar, Rural Credit and Self-Help Groups, Sage Publications, New Delhi
	3. S. Sau, Rural Industrialization – Development Trajectory in India, Farma K. L. M., Kolkata
	4. Misra D. and Puri K. Indian Economy, Himalaya Publishing House
	5. Datt and Sundharam (Revised by G. Datt and A. Mahajan) , Indian Economy, 70th edition, S.Chand
	6. N. Narayanasami, Participatory Rural Appraisal: Principle, Methods and Applications, Sage Publications, New Delhi, 2009.
	7. Vasant Desai, A Study of Rural Economics, Himalaya Publishing House, New Delhi.
	8. Mahi Pal,―Panchayati Raj and Rural governance, Economic and Political Weekly, Jan.

10-16, vol. XXXIX, 2004, No.2, p.1316.

* 1. Raghava, D.V. Rao, Panchayats and Rural Development, Ashish Publishing House, New Delhi, 1980.
	2. Ram Reddy, Pattern of Panchayati Raj in India, Heritage Publishers, New Delhi,2

 **B.A. (ECONOMICS) SYLLABUS**

 **Semester-IV**

# INDIANECONOMY

##  Discipline Specific Elective - Paper – IV

##  Module I: Structure of the Indian economy:

Indian Economy at the time of Independence. Changes in the Composition of National Income

and Employment. Natural Resource base: Land, Water, Forest, Mineral and Metal Resources. Population: Size, Growth and Composition and their implications on Indian economy.

## Module II: Indian Agriculture:

Importance and Role of Agriculture. Trends in Agricultural Production and Productivity. Land Reforms. Green Revolution – White and Blue Revolutions. Agricultural Finance. Agricultural Marketing. Agricultural Price Policy. Food Security in India.

## Module III: Indian Industry and Services:

Role and Importance of Industrialization. Trends in Industrial Production and Services. Industrial Policy Resolutions: 1956, 1991The Role of Public and Private Sectors. Formal and Informal Sectors in Industry and Services

## Module IV: NITI AAYOG

Demise of planning commission. Genesis of NITI Aayog: structure and composition of NITI Aayog, Functions and objectives of NIIT Aayog, Differences between NIIT Aayog and planning commission, Economic prism-cooperative federalism platform for interface between Centre and State. NITI Aayog role in strategic planning and innovation and knowledge hub. Challenges a head.

## Module V: Service Sector, Economic Reforms:

Concept, Components, Trends and Role of Service Sector – Infrastructural Development: Transport, Banking, Insurance, and Information Technology.

Economic Reforms: Liberalization, Privatization, and Globalization – A critical evaluation.

**References:**

1) S K Misra and Puri (2020): Indian Economy, 38th Edition, Himalaya Publishing House.

2) Ishwar C Dhigra (2002): The Indian Economy : Environment and Policy, S Chand & Sons, New Delhi

3) Datt & Sundaram (2016): Indian Economy, 72nd Edition, S Chand & Sons, New Delhi

4) P K Dhar (2013): Growing Dimensions of Indian Economy, 21st Edition, Kalyani Publisher.

5) Ramesh Singh (2021): Indian Economy, 13nd Edition, TMH

##  B.A. (ECONOMICS) SYLLABUS

##  Semester-IV

**SEC-3DataAnalysis**

## Module-I: Collection and representation of data

Collection of data (some methodological issues), Census, Sample survey Representation of data the basic of data Management in stata / R / E views/ SPSS/MS Excel

## Module-II: Indian official statistics (Basic concepts)

Central Statistical Organization(CSO)–National Accounts statistics(NAS) Industrial Statistics(ASI,IIP) ,National Sample Survey Organization (NSSO) -Household Consumer Expenditure Survey Rounds, Employment and Unemployment Survey Rounds. Census of India –population Census 2011. Reserve Bank of India (RBI) – Handbook of Statistics on Indian Economy (Selected Parts).

## SuggestedReadings;

* 1. A.M. Gun,M.K.Gupta,and B.Dasgupta(2013) : *Fundamentals of Statistics(volume One),*

 The World Press private Ltd

* 1. GOI, *Note ; Sample Design and Estimation procedure of NSS 68th Round, National Sample Press Ltd*
	2. GOI.*SRS Statistical Report 2016* office of the Registrar General &Census Commissioner of India.

**B.A. (ECONOMICS) SYLLABUS Semester-IV**

# SEC-4 ENTREPRENEURSHIP AND DEVELOPMENT

## Module-I Basic Issues of Entrepreneurship and Economic Development

Basic features of Entrepreneurship, Entrepreneurship and its linkages with Economic Development, Growth of Entrepreneurship in India-Role of Entrepreneurship in Economic Development and problems of rural Entrepreneurship in India.

## Module-II Financial Resources for new ventures of an Entrepreneur:

Source of finance, capital structure, Institutional support to enterprises- National Small Industries Board-State Small Industries Development Corporation-District Industrial estates-Indian Experience, Stages of growth, types of growth strategies of expansion, Diversification, joint venture, merger and subcontracting.

References:

1. S.S.Khanka (2006) : Entrepreneurial Development,SChand &Company Ltd
2. David.H.Holt (2016) :Entrepreneurship New Venture Creation, Pearson.
3. Poornima M.(2018) : Entrepreneurship Development and Small Business Enterprises (3nd Edition) PearsonEducation.
4. Datt and Sundaram(Revised by A.Mahjan)(2016):IndianEconomy,72th Edition,SChand.

**B.A.(ECONOMICS)SYLLABUSSemester -V**

# TELANGANA ECONOMY

## Generic Elective- Paper -I

**Module-I:Telangana Economy**

 Emergence of Telangana State, Economic Features of Telangana, Demographic Features of Telangana-Occupational Distribution of population in Telangana-Sectoral Distribution of population.

## Module-II: Gross State Domestic Product, Poverty and Unemployment

Growth and Trends in Gross State Domestic Product and Per capita income in Telangana-Sectoral Contribution to Gross State Domestic Product. Poverty and unemployment in Telangana: Trends and Causes.

## Module-III: Agriculture Sector

Growth of Agriculture in Telangana Economy-Trends in Agricultural Production and Productivity, Cropping pattern, Agrarian Structure and Land Reforms, Irrigation sources Trends- Mission Kakatiya, Agricultural Credit and Rural Indebtedness. Rythu Bandhu Scheme.

## Module-IV: Industrial Sector, Service Sector and Welfare Schemes.

Industrial Sector- Its Growth and Pattern, Industrial Policy of Telangana-TS iPASS, Special Economic Zones. Importance of Service Sector in Telangana- Growth and Pattern of Development of Service Sector in Telangana. Welfare schemes: Kalyana Lakshmi, Shadi Mubarak and Mission Bhagiratha.

**BasicReading List:**

1. Rao S Kishan and Rahul A Shastry (2009): Andhra Pradesh Economy – Dynamics of Transformation with a focus on Regional Disparities, National Academy of Development,
2. Hanumantha Rao and S.Mahender Dev (2003); Andhra Pradesh Development – Economic Reform and Challenges Ahead, Centre for Economic and Social Studies, Hyderabad.
3. KankalathaMukund(1990); “Andhra Pradesh Economy in Transition; Centre for Economic and Social Studies,Hyderabad and Book Links Corporation, Hyderabad.
4. MahendraDev,S.C.Ravian M.Venkatanarayana(2009); Human Development in Andhra Pradesh: Experiences, Issues and Challenges; Centre for Economic and Social Studies(CESS), Hyderabad.
5. Galab.s et ai (2017) : Human Development Report, Telangana State, Center for Economic and Social Studies, Hyderabad.
6. Indrakant.S and V.Subramanyam (2021): Socio Economic Profile of Rural Telangana State.

## B.A. (ECONOMICS) SYLLABUS

##  Semester-V

**DSE-AGRICULTURAL ECONOMICS- V-A**

**Module-I: Agriculture and Economic Development.**

Nature and scope of agricultural economics, Factors affecting agricultural development, technological, institutional and general. Interdependency between agriculture and industry.

**Module-II : Agricutural Production and Productivity**

Concept of Production function : Input and product relationship in farm production. Resource use and efficiency ;Production function analysis in agriculture ;factor combination and resource substituition.

**Module-III: Growth and productivity trends in Indian agriculture**

 Recent trends in Agricultural growth in India. Agrarian reforms and their role in Economic Development. Inter-state variations in growth of output and productivity; Cropping pattern shifts; Supply opf inputs-Pricing of inputs and role of Subsidies.

**Module-IV : Agricutural Farm Size and Productivity.**

Systems of farming, farm size and productivity relationship in Indian Agriculture. New agricultural strategy and Green revolution and its impact.

**Module-V: Agricultural Marketing**

Emerging trends in production, processing, marketing and exports, Policy controls and regulations relating to industrial sector with specific reference to agro-industries in agri-business enterprises.

REFERENCEBOOKS:

1. Sadhu A.N ,Singh Amarjit and Singh Jasbir (2015) ;Fundamental of Agriculture Economics, Himalaya Publishing House, Delhi.
2. Lekhi R.K and Singh Joginder(2018) :Agriculture Economics, Kalyani Publishers.
3. Government of India (1976) :Report of the National commission on Agriculture, NewDelhi
4. Bilgrami, S.A.R. (2017) :Agriculture Economics Himalaya Publishing House, Delhi.
5. Dantwala, M.L. et al (1992)Indian Agricultural Development Since Independence, South Asia Books.

**B.A. (ECONOMICS) SYLLABUS Semester-V**

# PUBLIC ECONOMICS

## Discipline Specific Elective- Paper –V-B

**Module-I: Introduction**

Meaning and importance of Public finance -Evolution of public finance. Multiple theories of public household -Public and Private goods-Markets mechanism in public and private goods. State as an agent of planning and development

## Module-II: Public Expenditure

Theories of public expenditure- Wagner’s law of increasing state activities–Peacock Wisemans hypothesis- Principle of Maximum Social advantage–Growth and pattern of public expenditure, Effects of public expenditure -Cost benefit analysis.

## Module-III: Taxation & Public Debt

Approaches to taxation- Benefit approach, Ability to pay approach and Neutrality approach-Elasticity and buoyancy of taxation- incidence and shifting of taxation-Types and classification of taxes and VAT, Approaches to public debt.

## Module-IV: Fiscal Policy & Federal Finance

Definition official policy and its objectives; Fiscal Policies for redistribution of income and wealth and stabilization–fiscal policies in a developing country, Federal financial structure and its main features – Direct taxes-Income tax-Corporate tax. Indirect tax structure- –GST

**Module-V: Budget**

Budget – Classification of budget –Economic, Functional, organizational, classification of budget- performance programming and zero based budgets- surplus, balanced and deficit budget- Concepts of budget deficit and their implications – State and Central budgets. Fiscal crisis and Fiscal sector reforms in India;.

**References**

1. Atkinson,ABandJ.ESiglitz(1980)

 :Lecturers on Public Economics ,Tata McGraw Hill, NewYork.

1. Auerbach,AJandM.Feldson(Eds.)(1985) :Handbook of PublicEconomics,Vol.1,NorthHolland, Amsterdam.
2. Buchanan,JM(1970) : The Public Finances, Richard D Irwin, Homewood.
3. Goode,R(1986) :Government Finance in Developing Countries, Tata McGraw Hill, NewDelhi.
4. Houghton, J M (1970) : The Public Finance: Selected Readings, Penguin,Harmondsworth.
5. Jha,R(1998 ): Modern Public Economics, Routledge, London.
6. Menutt,P(1996) :The Economics of Public Choice, Edward Elgar, U.K.
7. Musgrave,RAandP.B.Musgrave(1976): PublicFinanceinTheoryandPractice,McGrawHill, Kogakusha, Tokyo.
8. SKSingh (2010) : Public Finance in Theory and Practice, SChand and company.
9. Omprakash (2012) ; Public Economics theory and practice., Vishal publishing Company.

# ECONOMICSOF ENVIRONMENT

## Discipline Specific Elective (DSE) Paper –V(b)

**Module-I: Theory and Concept of Environmental Economics**

Nature and Significance of Environmental Economics–definition and scope of environmental economics– Market Failure & Externality–Theories of Environmental Economics.

## Module-II: Environment and Economics

Environment and Economics- Inter linkage – Environment as a public good – Environment vs. Economic growth- Population and Environmentlinkage–Environmentaluseasanallocateproblem––Valuation of Environmental damages: land, water, air and forest.

## Module-III: Environmental Problems

Economic development and environmental problems –Air, Water and Soil Pollution, Natural Resource Depletion, Deforestation, Industrial and Agricultural Pollution, Urbanization, Vehicular Pollution. Global warming and green house effect- Environmental degradation.

## Module-IV: Environmental Pollution Control

Prevention, control and abatement of pollution–Choice of policy instruments in developing countries – Environmental Education- Environmental law – Sustainable development –indicators of sustainable development –Environmental planning –Environmental accounting.

## Module-V:Policy measures

Basic approach –Design of environmental policy –Indian environment policies and performance –Functions of Ministry of Environment and Forest and Pollution Control Boards.

**References:**

1. **M.Karpagam (1993), Environmental Economics, Sterling Publishers, New Delhi.**
2. **S.Sankaran (1994), Environmental Economics, Margham, Madras.**
3. **N.Rajalakshmi and Dhulasi Birundha (1994), Environomics, Economic Analysis of Enviroment, Allied Publishers, Ahmedabad.**
4. **S.Varadarajan and S.Elangovan(1992), Environmental Economics, Speed, Chennai.**
5. **SinghG.N (Ed.) (1991) Environmental Economics, Mittal Publications, New Delhi.**
6. **Garge,M.R.(Ed.)(1996),Environmental Pollution and Protection, Deep and Deep Publications, New Delhi.**
7. **Lodha, S.L(Ed.)(1991), Economics of Environment, RBSA Publishers, Jaipur.**

# INTERNATIONAL ECONOMICS

## Discipline Specific Elective

## Paper –VI -A

**Module-I:Theories of International Trade:**

Theories of absolute advantage, comparative advantage and opportunity costs; Theorem of factor price equalization; -Heckscher -Ohlin theory of trade, Leontief Paradox.

## Module-II: Trade and Growth

Gains from Trade.-Trade as an Engine of Economic Growth. Concepts of Terms of Trade-Factors affecting Terms of Trade- Singer-Prebisch secular deterioration of Terms of Trade.

## Module-III: Tariff and Non-Tariff Barriers to Trade

The basic analysis of Tariffs, Quotas, Protection and Imperfect Competition, Optimum tariff. Customs unions, Trade barriers, Arguments for and against a Tariff.

## Module-IV: Balance of Payments

Concepts and Components of BOP, Equilibrium and disequilibria in Balance of payments, Types of Disequilibria. Remedial measures to control disequilibrium. Causes of Devaluation. Direction and Composition of Foreign trade, Export and Import Policies of India.

## Module–V:International Factor movements

International Movement of labor, International lending and World debt crisis, Foreign Direct Investment.

## References:

1. Sodersten B(1994) : International Economics, Macmillan Pres sLtd.London
2. KindleBerger CP(1989) :International Economics RDIrwin Conceptswood
3. Vaish M.C& Sudhama Singh(2018) :International Economics, HimalayaPublishingHouse, NewDelhi
4. Francis Cherunilam (2020):International Economics4th Edition
5. MithaniDM(2000): International Economics, Himalaya ,Mumbai
6. Desai S.S.M(2011):InternationalEconomics,Himalaya Publishing House .,NewDelhi.

**B.A. (ECONOMICS) SYLLABUS Semester-VI**

# DEVELOPMENT ECONOMICS

## Discipline Specific Elective-Paper –VI B

**Module-I: Economic Development and Growth**

Concepts of Economic Growth and Development. Measurement of Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and Gender Empowerment Measure. Role of State and Market in Economic Development.

## Module-II: Factors in Economic Development

Factors effecting Economic Development - Characteristics of developing Countries- Population and Economic Development- Theories of Demographic Transition. Human Resource Development and Economic Development.

## Module-III: Theories of Economic Development

Theories of Adam Smith, David Ricardo, Karl Marx and Schumpeter.

## Module-IV: Theories of Under Development

Lewis, Rodan, Libenstien, Nurkse's Balanced Growth Strategy, Hirschman's

Un-balanced Growth Strategy, Myrdal model.

Module-V:

 Financing Economic Development External resources - FDI , Foreign aid vs. trade, technology inflow, MNC activity in developing countries; Borrowings- domestic and external; Burden of borrowing - IMF and World Bank.

## References:

* 1. Gerald.M.Meier (2005) : Leading issues in Economic Development, 6th ed.OUP, Delhi
	2. Michael.P. Todaro.(2016) : Economic Development in the third world , 4th ed, Orient

Longman , Hyderabad

* 1. Ghatak Subrata (1995) : Introduction to development economics
	2. Sukhamoy chakravarthy(1998) : Development Planning - Indian

Experience, OUP, Delhi

* 1. S.K.Misra & V.K Puri (2017) : Economic Development and Planning, (theory and practice.)

**B.A. (ECONOMICS) SYLLABUS Semester-VI**

# INDUSTRIAL ECONOMICS

## Discipline Specific Elective Paper–VI-C

## Module–I: Meaning and classification of Industries.

Use-based, Resource Based and ASI Two and Three Digit classification. Industrial Location theories: Weber, Sargent Florence, and Losch - factors affecting industrial location.

## Module II: Market Structure and Market Performance:

Types of Markets based on Place, Time and Competition. Concepts & Organization of a firm. Market Structure; Sellers Concentration; Product Differentiation; Entry Conditions; Economics of Scale.

## Module III: Industrial Pattern under Five Year Plan;

Industrial economic concentration and remedial measures. Industrial Policy 1991: Role of Public and Private Sector, LPG Program. Recent trends in Industrial growth.

## Module–IV: Industrial Finance:

Industrial Finance: Owned, External and other Components of Funds; Role, Nature, Volume and types of Institutional Finance–State Level Financial Institutions and Commercial Banks.

## Basic Reading List:

1. Ahluwalia.I.J.(1985) : Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwal.R.R.(1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. Cherunilam. F. (1994): Industrial Economics; Indian Perspective (3RD Edition), Himalaya Publishing House, Mumbai.
4. Desai.B.(1999): Industrial Economy in India(3rdEdition,) Himalaya Publishing House, Mumbai.
5. Divine, P.J. and R.M. Jones Et. Al (1976): An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
6. Hay, D. and D.J.Morris (1979); Industrial Economics: theory and evidence, Oxford University Press, New Delhi.
7. Kuchhal,S.C.(1980),IndustrialEconomyofIndia(5thEdition),ChaitanyaPublishingHouse,Allahabad.
8. Singh.A and A.N. Sadhu (1988):Industrial Economics, Himalaya Publishing House, Mumbai.

## Optional Paper FINANCIAL ECONOMICS

**Module1: Introduction to Indian Financial System**

Overview of Indian Financial System – functions of financial system – players – structure and growth – regulatory bodies.

## Module2: Money and Capital Markets

Indian Money Market – instruments – institutions – functioning of Indian Money Market -

 changes in the regulatory framework – growth – stocks and bonds – primary and secondary markets – process of initial public offer – offer of Government bonds – stock market functioning

–Stock indices – evaluation of stocks and bonds – understanding stock market information.

## Module3: Foreign Exchange Market

Exchange rate – types – determination of exchange rate – nature of Forex market – nature of Forex inflow and outflow – examples of ECBs and NREs – RBI and exchange rate management.

## Module4: Financial Derivatives

Need for derivatives – types of derivatives – example of how stock index derivatives could be used to hedge risks in stock market investment – evaluation of financial derivatives.

## Readings:

1. Bhole . L.M.(2002): Indian Financial Institutions and Markets, Tata McGraw Hill Ltd, New Delhi.
2. David .S. Kidwell, David W. Blackwell, David A. Whidbee , Richard .L. Peterson, (2005) : Financial Institutions, Markets and Money. 9thEdition, Wiley Publication, New York.
3. Khan .M.F.(2006): Indian Financial Institutions, Tata McGraw Hill Ltd ,New Delhi.
4. Pathak , Bharathi .V.(2007): The Indian Financial System : Markets, Institutions and Services, 2/e, Pearson Education India , New Delhi.